Digital Loggers

- About
- Products
- Support
- Quotes
- Applications

- Power Control
- Pro Switch
- Rack Mount PDU
- New 90-240V PDU
- 3-Phase PDU
- DC Power Switch
- DIN Power Relay
- Gigabit Midspan PoE
- 24v PoE Injector

- Industrial IoT
- IoT WiFi PLC
- Atomic Pi
- IoT Power Relay
- RS-232 Switch

- **USB Loggers**
- **16-Channel DIY**
- **T1/PRI Logger**
- **Personal Logger**
- **Accessories**

- **Logging Systems**
- **Win 10 Appliance**
- **NG911 & Airband**
- **Military Radios**

Web Power Switch 7

Updated 04/06/2020

Download the users guide.

Frequently Asked Questions

Question: How can I control a DC load, or a different voltage device?

Answer: Want to open a garage door? Control outdoor lighting? Build a thermostat controller? The web power switch will do it with this $8.95 relay:

Plug the relay into a switched outlet, and wire your device to the screw terminals.

Question: What's new in the product?

Answer: In version 4, we added a brighter LCD, a scripting-controlled beeper/alarm, and more memory. We have a number of firmware improvements, and the latest file is here. We also reduced power consumption. In version 5, we added a keypad for local outlet control, doubled EEPROM memory, and added a smart circuit to protect against power brown-outs. In version 6, we reduced power consumption even more - we're down around 3.5 watts with all outlets on, we added a real-time-clock module with internal battery backup, introduced NTP sync and scheduling, improved the keypad and expanded the scripting language. There are plenty of firmware upgrades too. In version 7, we switched to removable power cords. A 6-foot 14AWG L15P to C19 is standard, and many others are available. We've increased battery lifetime (15 yrs est), improved performance at high temperature, enlarged keypad buttons, updated the manual, added more scripting commands and reduced the box size for economical air shipment. It's still just as easy to use.

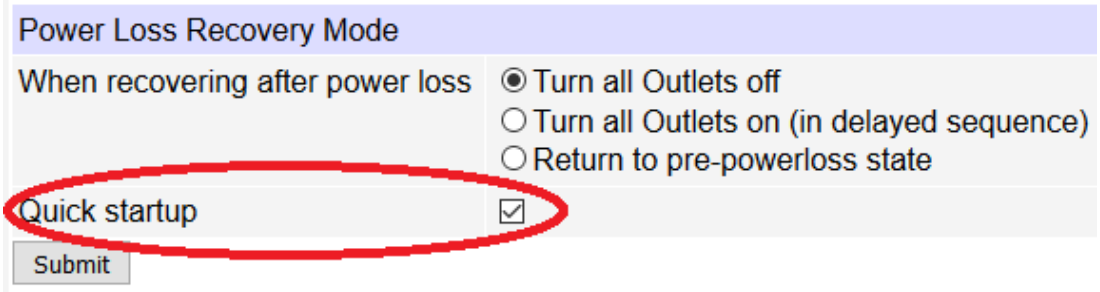
Question: What is the current version of firmware?

Answer: The current version is on the update page Find the revision history here, and firmware update instructions here.

Question: How do I disable the start-up beep/alarm?

Answer:

Be sure that firmware version 1.8.2 or higher is installed with your order to have access to the "Quick Startup" option in the recovery section. This enables an abbreviated POST with no beep (except for vital errors).



Question: Where can I download a manual for an earlier or different model?

Answer: Right here!

- 15V POE Injector
- 24V POE Injector
- -48V POE Injector
- -48 Telecom Power Switch
- DIN Relay
- DIN Relay II
- DIN Relay III
- Ethernet Power Controller II
- Ethernet Power Controller I
- High Current DC Power Switch
- IoT Relay
- Web Power Switch VII
- Web Power Switch VI
- Web Power Switch V
- Web Power Switch IV
- Web Power Switch III
- Web Power Switch II
- First Model Web Power Switch
- Vertical Power Strip

Question: What is the default IP address? How do I reset to defaults? What is the default password?

Answer: If you have lost the IP address or admin password, follow this procedure to reset to the default IP address of 192.168.0.100:

- Press and hold the reset button for 2 seconds to reset the network settings, user name and passwords.

The default master login is "admin" and default password is "1234". This procedure resets the admin login and IP address and lockout, but doesn't affect outlet names and links. *Note*: A hardware reset-to-defaults will reboot the microcontroller, re-establish network connection, and disable the scripting option. The power-on sequence specified on the setup page will be followed (ie. All outlets off, then All-on in sequence, etc.)

Question: On initial setup, I can't establish a Ethernet communications from a Windows PC. Help!

Answer: If your default Windows settings won't access the controller, use a crossover cable and follow these steps to reach the controller's IP.

- Before adding an IP, close network programs and browsers.
- Go to the Network Settings – Local Area Network or use the keyboard shortcut <Windows-R> - type "ncpa.cpl" and click OK.
- Right click on your LAN connection and choose "Properties"
- Highlight "Internet Protocol" and click the "Properties" button.
- Make note of the current settings.
- Select "Use the following IP address".
- Enter an IP address such as 192.168.0.5.
- Enter a subnet mask of 255.255.255.0.
- Delete any gateway entry.
- Close all windows for the configuration to take effect.
- Start your Browser and type 192.168.0.100 in the URL field. The index page should be displayed.
- The default user name is "admin" (lower case) and password is "1234"
- Set the IP address of the unit to your network, then restore your settings.

Question: Can you explain the auto-ping settings?

Answer:

Enabling auto-ping

To enable auto-ping, the check-box to the left of the IP address must be checked, then the change button pushed. You will get a message "Autoping will automatically be enabled after 10 successful pings". This prevents rebooting units before conditions are properly established.

Time Between Pings

The time between which each ping is set. The time between pings to a particular device is (Time_Between_Pings * Number_of_devices_enabled_in_the_ping_list).

Ping failures before reboot

Number of times the ping has to fail (in a row) on a given device before it is power cycled.

Times to attempt reboot

Number of times to attempt power cycling before giving up and disabling auto-ping.

Device reboot delay

Length of time after a power cycle before checking for a response from the device. This allows a device or computer time to completely boot up.

:Learn more about AutoPing here.

Question: How can I control the switch from my own applications?

Answer:

Download the latest User Utility. Your application can use HTTP or serial port communications. There are programming examples from several languages listed in the top section.

Also included is PowerMan support for Linux.
Windows users can download a Perl interpreter to run the script version. This script (ver 4.0) is compatible with all DLI power controllers.

Question: Can you develop custom firmware for my application?

Answer: Gladly. We've done this for many customers. Our programming rate is $75/hour. After we agree on a -very specific- project description, we can send you an estimate of the time involved to code, debug and test.

Question: Can you develop custom hardware for my application?

Answer: Gladly. We've done this for many customers. Please call with your requirements

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Question: What are the power supply and outlet current and voltage ratings?

Answer: Although the internal power supply will operate from 70-240V DC-400Hz auto sensing, electrical codes prohibit use of standard L-15 plugs and outlets on other than 120VAC circuits. The product is rated at 120VAC only for safety. Total current is limited to 15A by circuit breaker.

Question: Do you support PowerMan?

Answer: Sure. The latest code is added to the tarball. Download the latest User Utility here.

If we haven't answered your questions here, please call (408) 330-5599 or send us an email.
We'll be glad to help.